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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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#4

In re Patent Application of

SAWA et al.

Atty. Ref.: 925-171

1-24-03

Serial No. 09/729,169

Group:

Filed: December 5, 2000

Examiner:

For: COMMUNICATION APPARATUS, FREQUENCY SPECTRUM  
INVERSION METHOD AND PROGRAM STORAGE MEDIUM

\* \* \* \* \*

January 21, 2003

Assistant Commissioner for Patents  
Washington, DC 20231

**RECEIVED**

**JAN 23 2003**

Sir:

**Technology Center 2600**

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference listed on the attached PTO-1449. One copy of the reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

☒ This Information Disclosure Statement ("IDS") is being filed within three (3) months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

☐ This IDS is being filed more than three (3) months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

☐ a. I hereby certify that each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this IDS. 37 C.F.R. 1.97(e)(1).

☐ b. I hereby certify that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. 1.97(e)(2).

☐ c. Attached is our check in the amount of \$180.00 in payment of the fee under 37

C.F.R. 1.17(p). Please credit or debit Dep Acct No. 14-1140 as needed to ensure consideration of the disclosed information. A duplicate copy of this paper is attached.

☐ This IDS is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 to cover payment of the petition fee under 37 C.F.R. 1.17(I)(1). Please credit or debit Deposit Account No. 14-1140 as needed to ensure consideration of the disclosed information. A duplicate copy of this paper is attached.

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☐ Relevance of the non-English language reference(s) is discussed in the present specification.

☐ The reference was cited in a counterpart application.

☐ A concise explanation of the relevance of the non-English language reference(s) appears in the Appendix hereto.

☐ The Examiner's attention is directed to co-pending U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

☐ Copies of the references were cited by or submitted to the Office in parent Application No. \_\_\_\_\_, filed \_\_\_\_\_ and are being resubmitted herein for the Examiner's consideration. Form PTO 1449 is attached with copies of the aforementioned references.

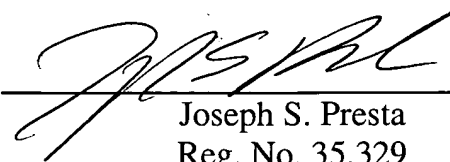
SAWA et al.  
Serial No. 09/729,169

☒ Please charge any fee associated with the filling of this paper to our Deposit Account No. 14-1140.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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